

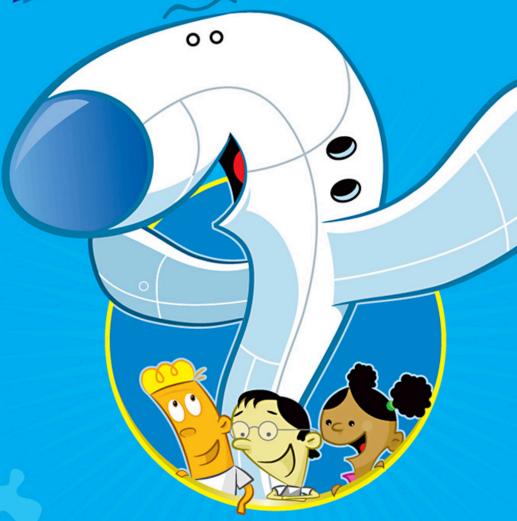
Educational Product

Students

Grades 3-5

NP-2003-02-29-LaRC

In aeronautics F.A.P.Lanel





AERONAUTICS The science of flight that deals with all types of aircraft.

This storybook about NASA Aeronautics is dedicated to all the future aviation professionals—the youngsters that are in school today. We hope this story will inspire them to learn more about the many aspects of flight and the many types of careers associated with the U.S. aviation industry.





These images are taken from pages in this storybook. When you have finished reading the book, come back to test your knowledge of these types of aircraft. Match the image of the aircraft with its name in the storybook. The names of the planes are listed below, choose the number of the image that fits its name!

- Personal Air Vehicle
- B Joint Strike Fighter
- C Hypersonic X-43 Plane
- D Blended Wing Body
- **E** X-1 Supersonic Plane
- Mars Plane



Acknowledgements -

Original Idea & text for a museum storybook exhibit Natalie S. Friend Planners Collaborative Inc.

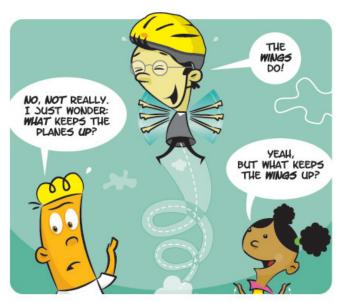
Illustrations Wade A. Mickley
& layout NCI Information Systems





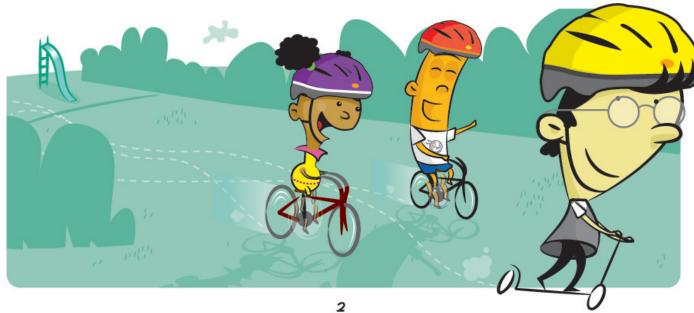




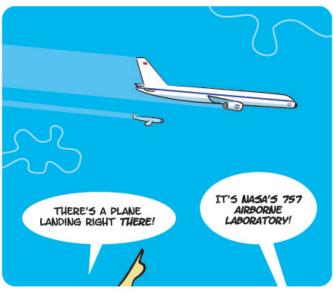


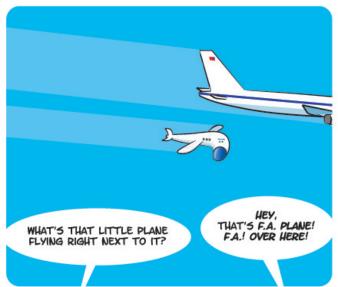


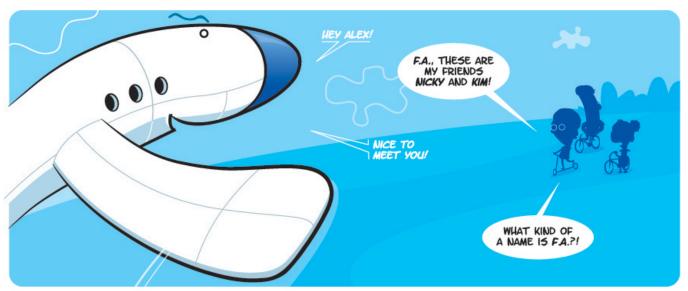


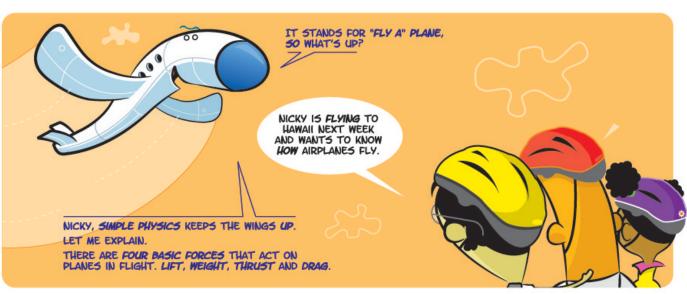


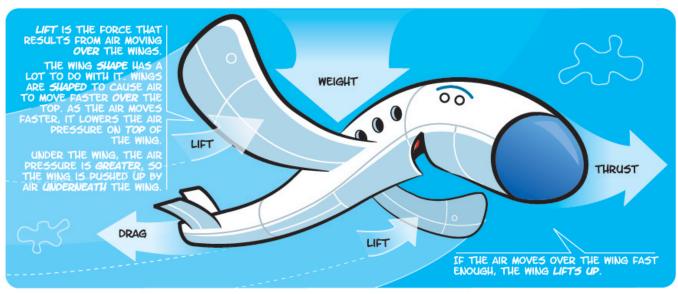






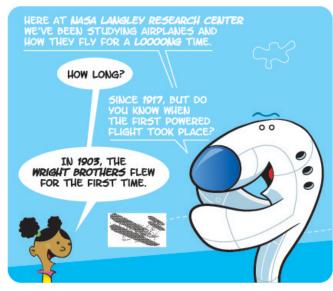


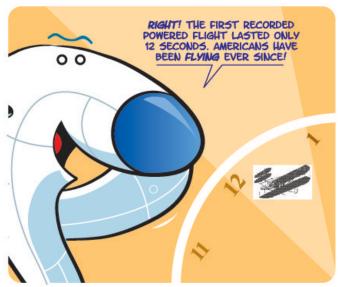




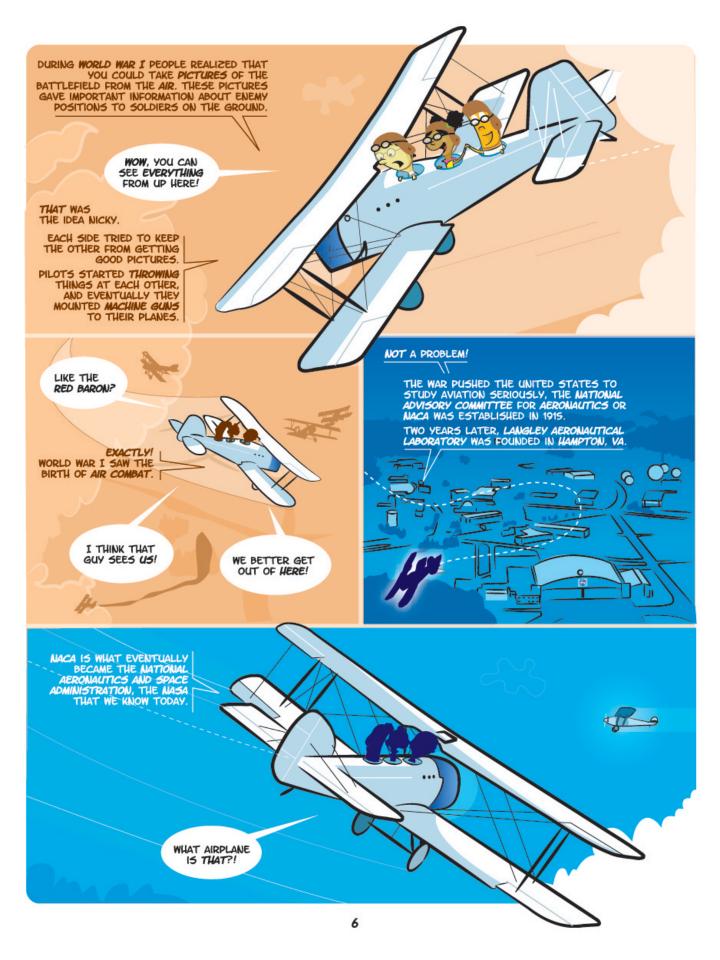


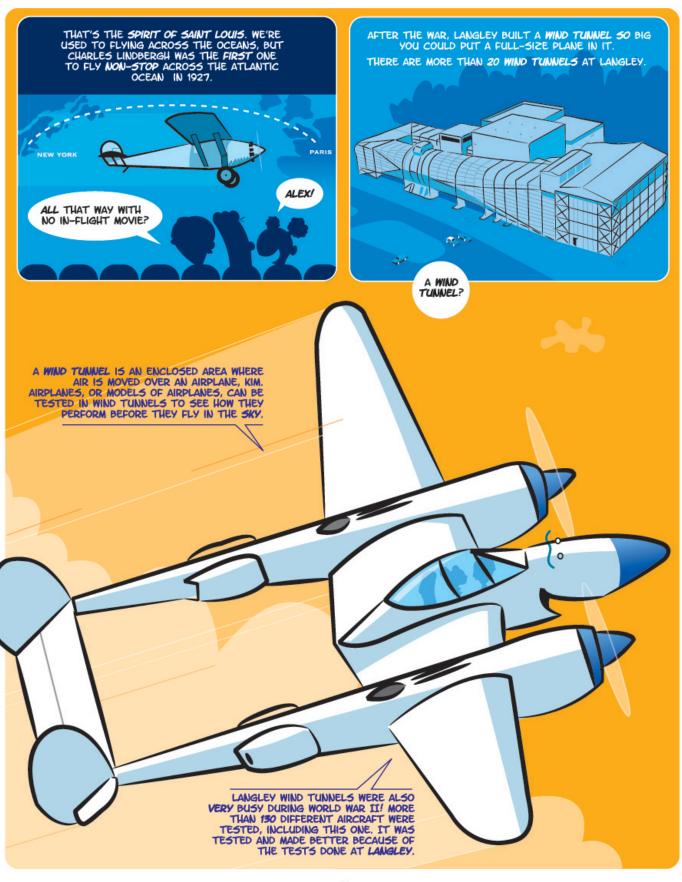












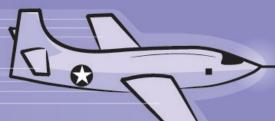


WHAT ABOUT AFTER THE WAR? PEOPLE WANTED TO GO FASTER, BUT THEY THOUGHT PLANES COULD NEVER GO AS FAST AS THE SPEED OF SOUND. IN 1947, A MILITARY TEST PILOT NAMED CHUCK YEAGER FLEW THE ROCKET-POWERED X-1 PLANE FASTER THAN SOUND!

NACA ENGINEERS HELPED TO DESIGN THE X-1. FASTER THAN SOUND! THAT DOESN'T SOUND GOOD TO ME.



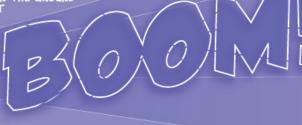




RELAX NICKY! THE PLANE THAT YOU WILL FLY IN TO HAWAII WON'T GO THAT FAST, WILL IT F.A.?

RIGHT ALEX! BUT SOME MILITARY PLANES GO FASTER THAN SOUND.

WHEN A PLANE GOES FASTER THAN SOUND, IT MAKES A *LOUD* NOISE CALLED A *SONIC BOOM*. PEOPLE ON THE GROUND DON'T LIKE TO HEAR THAT



THE LOUD NOISE CAN BREAK WINDOWS AND HURT PEOPLE'S EARS. SO MOST AIRLINERS DON'T GO THAT FAST!





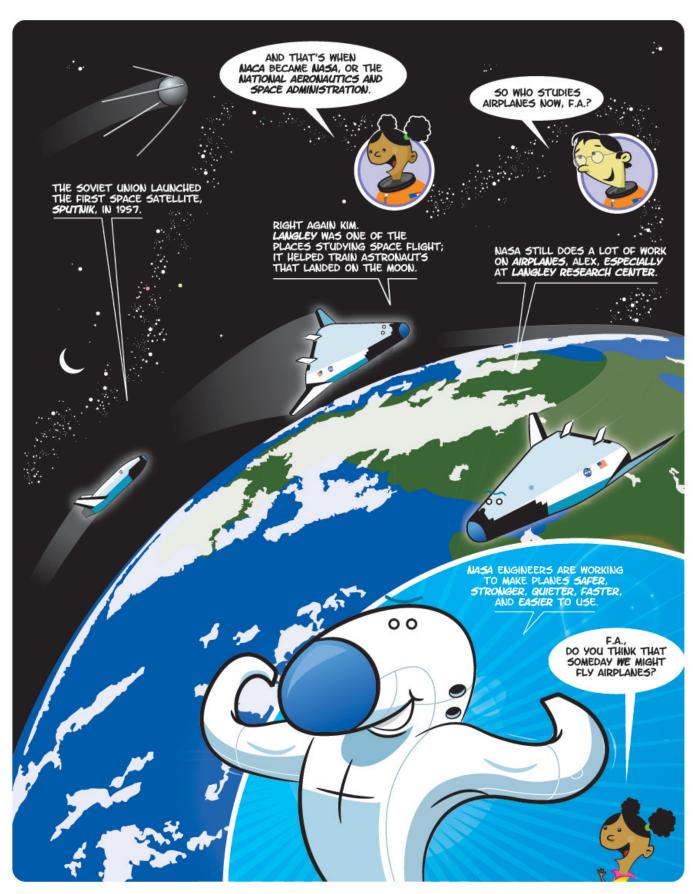
THERE WAS A **WHOLE** SERIES OF X PLANES, NICKY. TEST PILOTS FLEW **HIGHER** AND **FASTER** THAN EVER BEFORE.

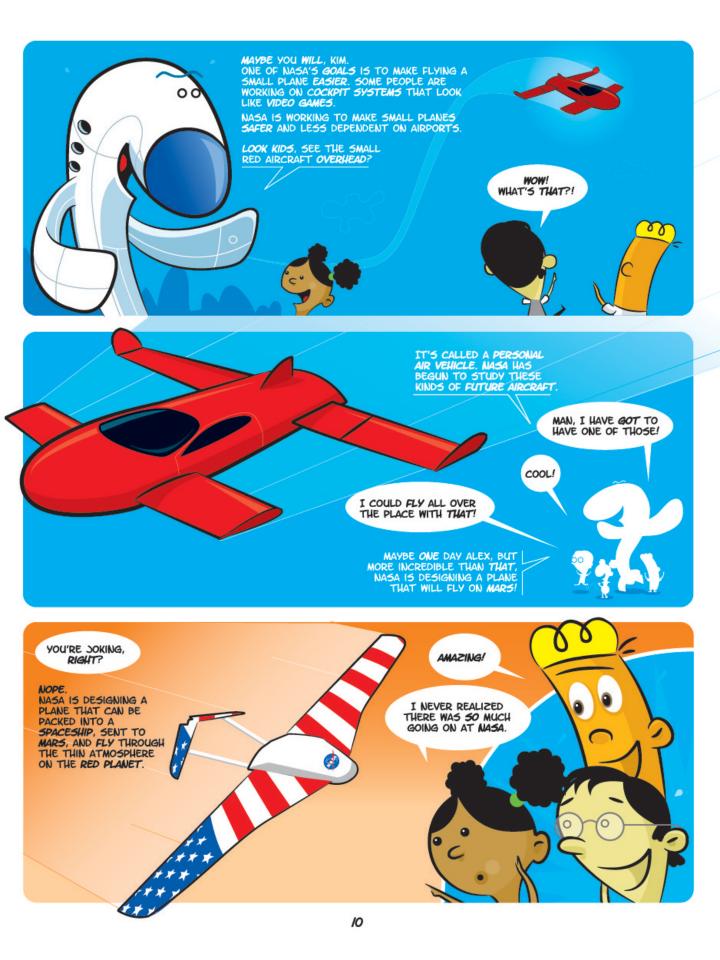
KNOW WHAT HAPPENED NEXT?

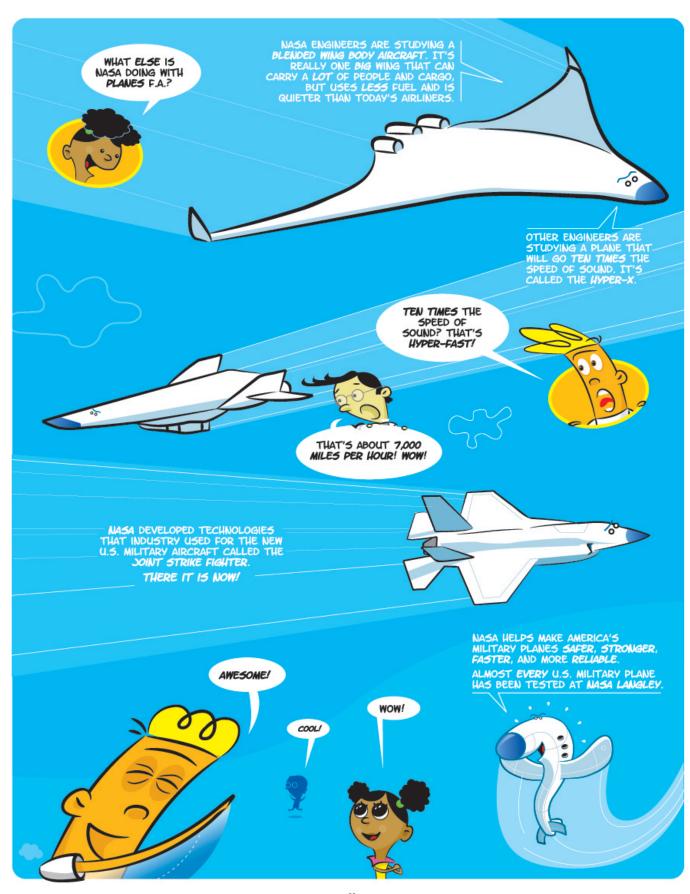
SPUTNIK!

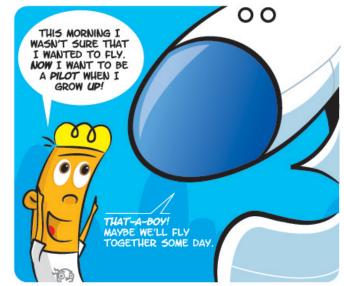
RIGHT!

YOU'RE NOT THE ONLY ONE WHO KNOWS STUFF, ALEX





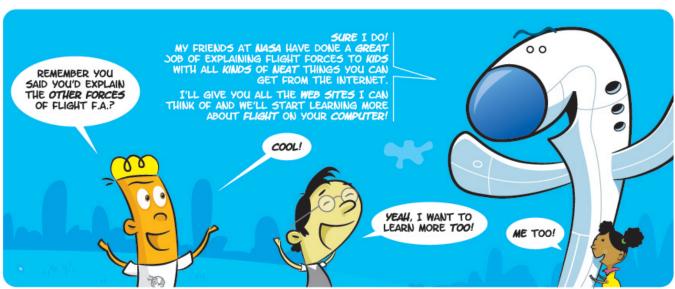












NASA has many web sites that can help you to learn more about flight. Some are listed below and others can be found by doing a search on the web for the topic that interests you most!

Resources for Students and Educators of Grades K -12

Aerospace Technology Education Programs http://www.aero-space.nasa.gov/edu/2aero.html

Aerospace Education Services Program (AESP)

http://www.okstate.edu/aesp/AESP.html

NASA Explorer Schools http://www.nsta.org/explorerschools

NASA Student Involvement Program (NSIP) http://www.nsip.net

> NASA Explores http://NASAexplores.com

NASA Educator Resource Network http://spacelink.nasa.gov/ercn/

NASA Revolutionary Vehicles Student Competition

http://avst.larc.nasa.gov/competition.html

Other web sites that may interest all age groups

The NASA Home Page Address http://www.nasa.gov

NASA's Education Home Page http://education.nasa.gov

NASA Langley Research Center http://www.larc.nasa.gov

